



**Harris**®

**SHREDDERS**





Equipment built with  
**Tradition**  
 and designed with  
**Performance and Power**  
 in mind.

Our engineers work seamlessly with fabricators at our manufacturing facility, using today's communication technology, to offer shredder operators a set of resources that is

→ **UNMATCHED**

by other suppliers of shredding equipment to make the right shredder facility to meet your needs and match your budget.



The same tools & production

equipment that builds our

**shears** and **balers**

that the scrap industry has relied upon

for decades is used to make the

*next*  
**GENERATION**  
 of shredding plants.



Superior design features provide an innovative, lower maintenance, high-efficiency shredding system.





**The best operation is a safe one.**

While Harris products are known for their power and stability the most important feature in all applications is safety. Harris considers itself ahead of the pack when it comes to safety.

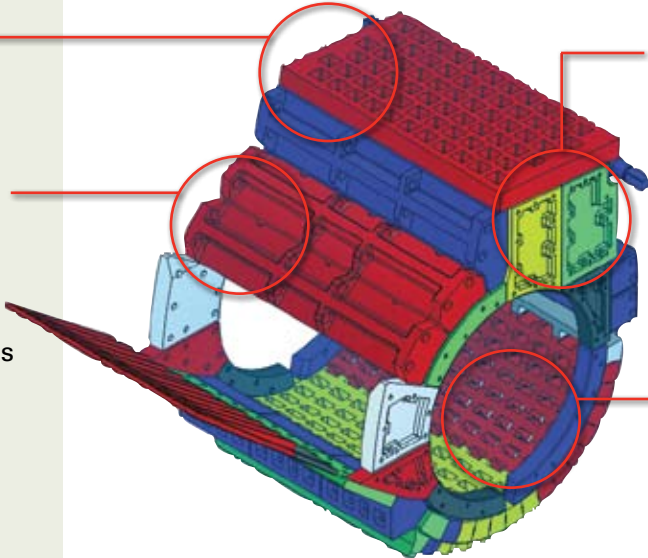
## INTERNAL CASTINGS

Harris exclusive keyed round head bolts provide larger contact area with the castings for a better load distribution.

An enlarged top grate increases the material throughput.

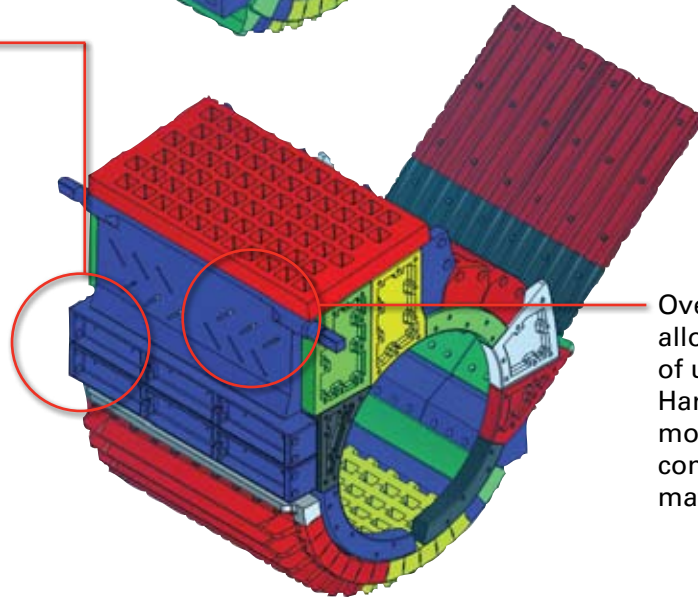
Large front wall castings have longer life than traditional fabrications with bolted liners, without requiring continuous maintenance. Easy top feed installation. Secured by tie rods that strengthen the midsection rigidity.

Rear wall castings are slightly offset from the path of the material. These replaceable back walls are tie-rod held for additional strength to the midsection and create a much longer work life than fabricated back walls, without the maintenance associated with them.



The Harris Shredder's unique sideliner design reduces throwaway weights with its weight reducing pockets that provide extra support around the liner bolts. Harris' exclusive keyed round head bolts efficiently distribute the load around the circumference of the bolt head.

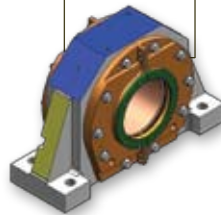
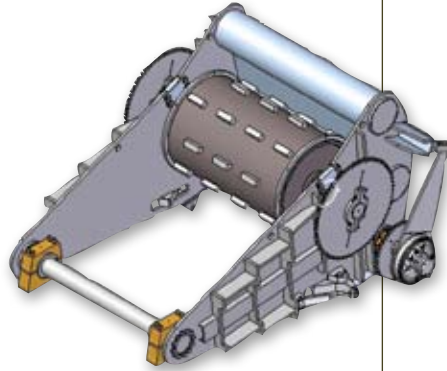
Self-supporting bottom grates eliminate the center support maintenance and have longer wear lives.



Oversized Reject Door allows a faster removal of unshreddables, with Harris' exclusive outward movement. This eliminates continuous impact of the material while in operation.

# Exclusive, **Heavy-Duty** Double Feed Roller Design

- Sturdy reinforced steel plate yoke.
- Exclusive 3-tube design for enhanced rigidity to torsion.
- "Quick Release" design allows the removal of the complete roller without components disassembly.
- Continuous large diameter torque tube pivot distributes loading along a larger area. Tube sits on large steel split pillow blocks with bronze bushings.
- Large mechanical locks allow safe work conditions during maintenance. The hydraulically actuated locks allow positioning from a remote safe location.
- Harris' patented Teflon seals allow the best sealing capability in this heavy duty environment. Teflon seals permit the re-honing of the cylinder tube to non commercial sizes for extended service life.

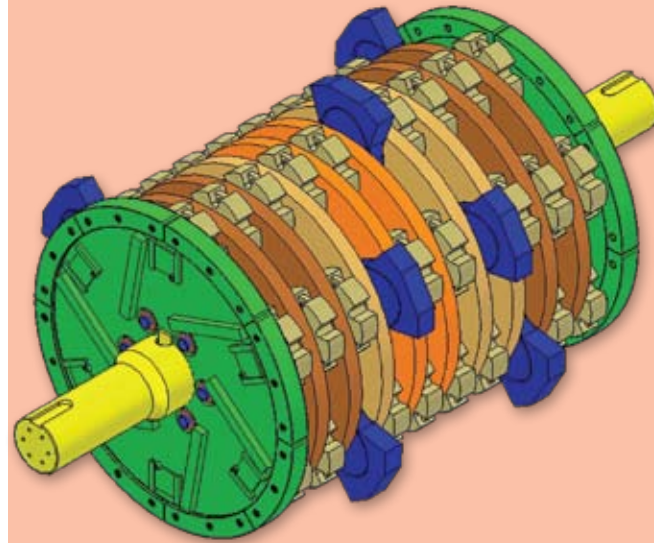


## Rotor Bearing Housing:

Rotor bearing housings are machined from high strength forged alloy steel. Internal lubrication connections allow placing fittings only on the outboard side for easy maintenance. Closed Loop Oil Recirculating Unit provides filtered and cooled oil to the bearings.

[harrisequip.com](http://harrisequip.com)

## ROTORS AND DRIVE MECHANISM



## Rotor Options:

Harris offers OEM and replacement rotors for existing shredders, welded and non welded disc and 4-arm spider designs. Each disc, spider arm and spacer is shrink fitted and keyed to the shaft while the complete assembly is secured by tie-rods. Harris uses high strength steel alloy plate on all rotors. The end discs have replaceable caps for better wear resistance. Replaceable heavy-duty helmet cast steel caps protect the spider arms.



## Shredder Replacements & Modifications

Harris has the ability and has provided engineering and manufacturing for the **replacement** or **modification** of existing shredder systems and components; such as midsection **rebuids**, DFR **upgrades** and rotor replacement or **repairs**. Harris can provide this service for all shredder makes and models.



**Total Control.**  
If only life was this easy



# SHREDDER CONTROL SYSTEM

→ Harris Production Management system (HMPv.1) - real time access to;  
**production rates, energy usage** & critical operational feedback



Comfort and **intuitive** joystick control

The HMPv.1 can be **retrofitted** for **existing Shredding systems**



Summary reports by e-mail



Everything Before and After

Heavy infeed Conveyor with electromechanical or hydraulic drive

Automated sorting systems

Separation of ferrous

and non-ferrous

and stainless steel metals

Complete downstream systems:

dry separation

or Harris' exclusive high

pressure wash system

Complete on-line/offline

Eddy Current Systems

Does this look like scrap or **money**?







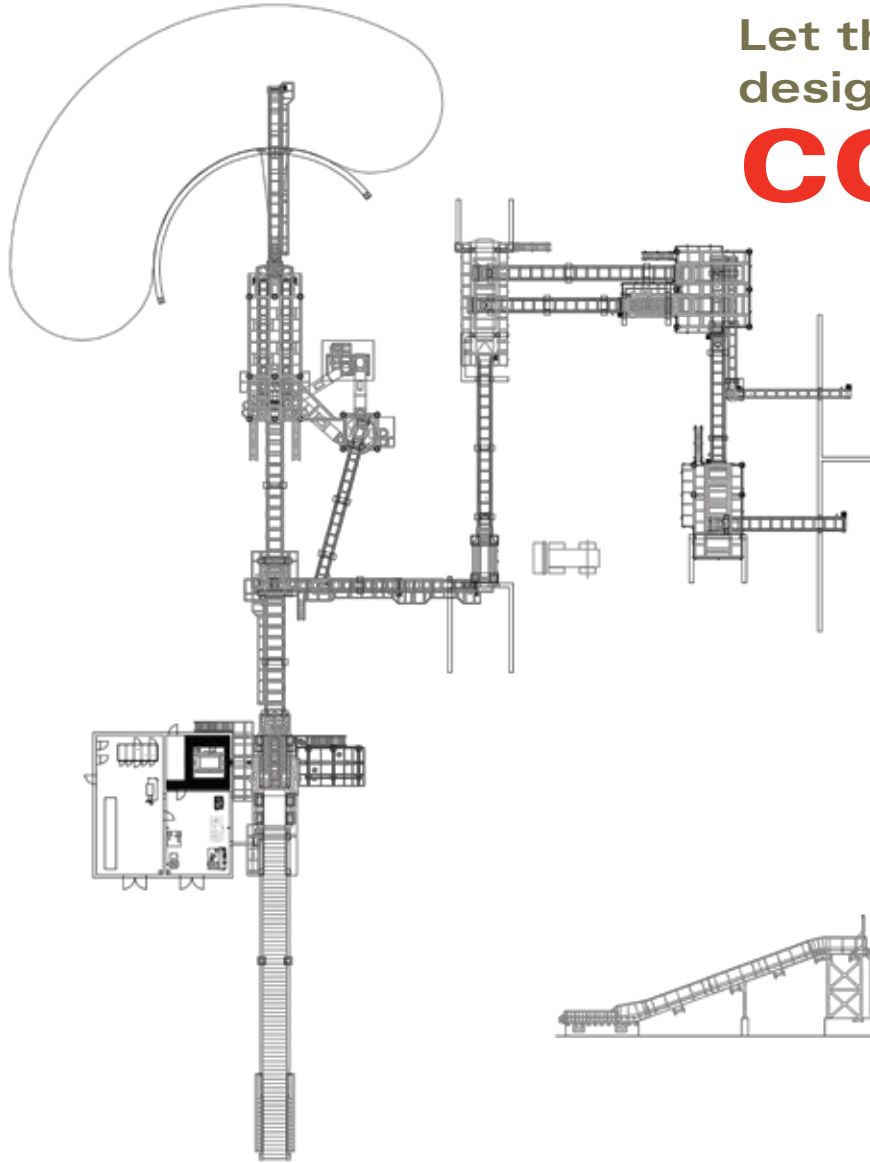
Harris Shredders are

# fully assembled

at our manufacturing plant [without castings]  
to eliminate any “first-time fit” problems  
during installation in the field.

Let the Harris Shredder Division  
design your  
**complete**  
shredding system

Harris' talented designers can design the right shredder system to meet the requirements of your specific application. Harris can design everything from the heavy duty infeed conveyor and state-of-the-art shredder, to the separation of ferrous, different grades of non-ferrous and stainless steel materials. Harris can provide you with a system to meet your needs and budget.



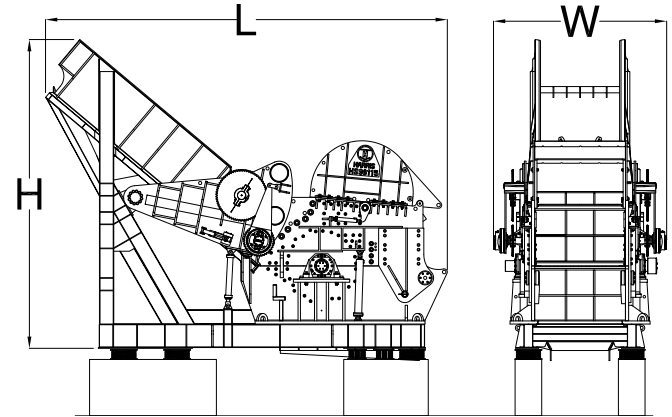
## SALES AND SERVICE : our promise

At Harris we believe in the on-going *support* of our machines. Our domestic and international partners are there to make sure that your experience with a Harris product is superb.

**World Class Parts** : Harris has a world class parts department to help with all your machine needs from wear parts, such as liners, to hydraulic cylinders. Harris can solve any problem you have.

### H a r r i s e q u i p . c o m

Our web site contains detailed information about all Harris products. You can skim through products, download product brochures, read news on all the happenings with Harris and find your local sales associate.



## HARRIS SHREDDER SPECIFICATIONS

		HS6090	HS80115	HS98115	HS125125
<b>RPM</b>		<b>600</b>	<b>600/514</b>	<b>600/514</b>	<b>450</b>
Output @ HP rating*	<b>1500 HP</b>	20-35 TPH			
	<b>2000 HP</b>	25-40 TPH	60-80 TPH		
	<b>3000 HP</b>		75-100 TPH	85-110 TPH	
	<b>4000 HP</b>		90-120 TPH	90-140 TPH	
	<b>5000 HP</b>			100-170 TPH	
	<b>6000 HP</b>			140-220 TPH	180-260 TPH
	<b>7000 HP</b>				180-300 TPH
	<b>8000 HP</b>				200-350 TPH
Principle dimensions	<b>width W</b>	14' (427cm)	16'7" (505cm)	16'7" (505cm)	17'7" (536cm)
	<b>height H</b>	27'6" (838cm)	28'5" (866cm)	29'3" (892cm)	31'4" (955cm)
	<b>length L</b>	28'6" (869cm)	32'8" (996cm)	34'8" (1057cm)	41'5" (1262cm)

\* Performance Rates are Subject to Material Content, Material Pre-shred Densities, Feed Rates, and Other Variables in Shredding. Specifications are subject to change without notice. All information is correct at time of printing.



Harris is a **WORLDWIDE LEADER** in the design, manufacture, and support of scrap processing, recycling, and waste handling equipment.



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